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Title of the Invention

ETLk
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This application is a 35 USC 371 of PCT/JP04/11440 filed 08/09/2004.
Method for manufacturing a right-and-left screw

5 Technical Field

The present invention relates to the method for manufacturing the right-and-left screw with both right- and left-hand threads that overlap on the same screw surface.

10 Background Art

The right-and-left screw is known as a screw type that prevents from loosening. The right-and-left screw forms both external right- and left-hand threads overlapping on the same screw surface. The right-and-left screw is equipped with two nuts, a right screw
15 nut corresponding to the right-hand thread and a left screw nut corresponding to the left-hand thread. The right-and-left screw fastens the object to be joined by rotating the two screw nuts in opposite directions and jamming them tight.

It is impossible for vibration to rotate two nuts to its opposite direction. The two jam
20 nuts can only rotate to the same direction which causes them tighten. Therefore any vibration will not loosen from the original fastening condition.

Disclosure of Invention

25 The right-and-left screw is theoretically a perfect device that will not loosen. The right-and-left screw has possible multiple industrial applications. It is necessary to meet specifications for effective diameters in both external right- and left-hand threads while being able to supply inexpensive the right-and-left screw.

30 Theoretically speaking, it is understandable to have both functions of the external right-hand and the external left-hand threads on the same screw surface. Realistically speaking, however, there are some challenges yet to be solved on forming overlapping both external right- and left-hand threads in the manufacturing of the right-and-left screw. Furthermore, the both threads of the right-and-left screw need to be inspected
35 separately.